

Title (en)
EXCAVATING TOOTH AND LOCK

Publication
EP 0222545 B1 19900404 (EN)

Application
EP 86308323 A 19861024

Priority
US 79111785 A 19851024

Abstract (en)
[origin: EP0222545A1] A locking device (20) for an excavating tooth (11), where the tooth has vertically aligned openings (28) for the receipt of the locking device, includes an elongate pin (21) having a reduced diameter central cylindrical portion (23) and a basket spring (22) having a slotted central portion (22) which is essentially a double-truncated ellipsoid. The spring (22) is mounted so as to substantially surround the cylindrical portion (23) to provide a ball and a socket-like connection between the lock and the tooth (11).

IPC 1-7
E02F 9/28

IPC 8 full level
E02F 9/28 (2006.01)

CPC (source: EP US)
E02F 9/2841 (2013.01 - EP US)

Cited by
BE1022982B1; EP2614187A4; US11174890B1; WO2021226004A1

Designated contracting state (EPC)
BE DE ES FR SE

DOCDB simple family (publication)
EP 0222545 A1 19870520; EP 0222545 B1 19900404; AU 582478 B2 19890323; AU 6438886 A 19870430; CA 1280137 C 19910212; DE 3670113 D1 19900510; ES 2016930 B3 19901216; GB 2184482 A 19870624; GB 2184482 B 19881130; GB 8625538 D0 19861126; US 4727663 A 19880301

DOCDB simple family (application)
EP 86308323 A 19861024; AU 6438886 A 19861024; CA 521046 A 19861021; DE 3670113 T 19861024; ES 86308323 T 19861024; GB 8625538 A 19861024; US 79111785 A 19851024